

CLAIMS

1. A fog projectile having an active charge comprising a pyrotechnic active material for producing an aerosol which emits in the infrared and which is impenetrable in the visual, characterised in that the active charge (2) is a hollow-cylinder stack, that the stack is composed of a plurality of layers (5) of hollow-cylinder segments (6) and that the stack is held in an enclosure (4) which can burn away and which contains a firing charge (3).
2. A fog projectile according to claim 1 characterised in that the firing charge (3) forms the lowermost layer of the stack.
3. A fog projectile according to claim 1 characterised in that the enclosure (4) has a combustible foil (8).
4. A fog projectile according to one of the preceding claims characterised in that the enclosure (4) comprises a foil (8) and a disc (9) arranged beneath the stack.
5. A fog projectile according to one of the preceding claims characterised in that the foil (8) of the enclosure (4) encloses the active charge (2) at the periphery and at the top side.
6. A fog projectile according to one of the preceding claims characterised in that the foil (8) comprises a paper saturated with paraffin.
7. A fog projectile according to one of the preceding claims characterised in that the disc (9) of the enclosure (4) is a disc of pressed fibre material.
8. A fog projectile according to one of the preceding claims characterised in that the disc (9) of the enclosure (4) has an opening (10) therethrough.

9. A fog projectile according to one of the preceding claims characterised in that an electrical firing element (13) projects into the firing charge (3).

10. A fog projectile according to one of the preceding claims characterised in that the firing charge (3) is also an ejection charge.

11. A fog projectile according to one of the preceding claims characterised in that the dimensioning is such that the enclosure (4) breaks open about 5 to 10 m along its trajectory.

Abstract

A fog projectile having a pyrotechnic active charge which emits in the infrared and is impenetrable in the visual is to be of a simple structure and is to result in rapid fading of the line of sight in the infrared and in the visual radiation range upon discharge in a wide spatial angle. The active charge 2 forms a hollow-cylindrical stack which is composed of a plurality of layers 5 of hollow-cylinder segments 6 and is arranged in an enclosure 4 which can burn away.

(Figure 1)